

Naoki Toshima

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,875
citations

23
h-index

43
g-index

44
ext. papers

1,979
ext. citations

4.3
avg, IF

4.64
L-index

#	Paper	IF	Citations
43	Frequency modulation response of a liquid-crystal electro-optic device doped with nanoparticles. <i>Applied Physics Letters</i> , 2002 , 81, 2845-2847	3.4	216
42	Facile fabrication of Ag-Pd bimetallic nanoparticles in ultrathin TiO ₂ -gel films: nanoparticle morphology and catalytic activity. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11034-40	16.4	206
41	Colloidal silver catalysts for oxidation of ethylene. <i>Journal of Molecular Catalysis A</i> , 1999 , 141, 187-192		155
40	Various ligand-stabilized metal nanoclusters as homogeneous and heterogeneous catalysts in the liquid phase. <i>Applied Organometallic Chemistry</i> , 2001 , 15, 178-196	3.1	141
39	Novel hybrid organic thermoelectric materials: three-component hybrid films consisting of a nanoparticle polymer complex, carbon nanotubes, and vinyl polymer. <i>Advanced Materials</i> , 2015 , 27, 2246-241	24.1	139
38	Trimetallic nanoparticles having a Au-core structure. <i>Catalysis Today</i> , 2007 , 122, 239-244	5.3	85
37	Spontaneous formation of core/shell bimetallic nanoparticles: a calorimetric study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 16326-31	3.4	75
36	. <i>Journal of Display Technology</i> , 2006 , 2, 121-129		69
35	Synthesis of Au/Pt bimetallic nanoparticles with a Pt-rich shell and their high catalytic activities for aerobic glucose oxidation. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 166-76	9.3	66
34	Organic Thermoelectric Materials Composed of Conducting Polymers and Metal Nanoparticles. <i>Journal of Electronic Materials</i> , 2012 , 41, 1735-1742	1.9	60
33	Fast Switching of Frequency Modulation Twisted Nematic Liquid Crystal Display Fabricated by Doping Nanoparticles and Its Mechanism. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 2580-2584	1.4	54
32	Improvement of Thermoelectric Properties of PEDOT/PSS Films by Addition of Gold Nanoparticles: Enhancement of Seebeck Coefficient. <i>Journal of Electronic Materials</i> , 2013 , 42, 1882-1887	1.9	50
31	Frequency Modulation Response of a Tunable Birefringent Mode Nematic Liquid Crystal Electrooptic Device Fabricated by Doping Nanoparticles of Pd Covered with Liquid-Crystal Molecules. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, L1315-L1317	1.4	46
30	Gold Nanoparticle and Gold Nanorod Embedded PEDOT:PSS Thin Films as Organic Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2014 , 43, 1492-1497	1.9	43
29	Crown Jewel catalyst: How neighboring atoms affect the catalytic activity of top Au atoms?. <i>Journal of Catalysis</i> , 2013 , 305, 7-18	7.3	40
28	Fabrication of Liquid Crystal Sol Containing Capped Ag/Pd Bimetallic Nanoparticles and Their Electro-Optic Properties. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20284-20290	3.8	39
27	Synthesis and catalytic activity of crown jewel-structured (IrPd)/Au trimetallic nanoclusters. <i>Advanced Materials</i> , 2015 , 27, 1383-8	24	35

26	Preparation and Catalysis of Inverted Core/Shell Structured Pd/Au Bimetallic Nanoparticles. <i>Australian Journal of Chemistry</i> , 2003 , 56, 1025	1.2	34
25	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Palladium (Pd) Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 5425-5429	1.4	34
24	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Silver Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 5430-5434	1.4	32
23	Effect of additional metal ions on catalyses of polymer-stabilized metal nanoclusters. <i>Journal of Molecular Catalysis A</i> , 2001 , 177, 139-147		32
22	Conducting Polymers and Their Hybrids as Organic Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2015 , 44, 384-390	1.9	29
21	Synthesis and Catalysis of Polymer-Protected Pd/Ag/Rh Trimetallic Nanoparticles with a Core/Shell Structure. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 1217-1225	5.1	28
20	Novel Nanodispersed Polymer Complex, Poly(nickel 1,1,2,2-ethenetetrathiolate): Preparation and Hybridization for n-Type of Organic Thermoelectric Materials. <i>Chemistry Letters</i> , 2015 , 44, 1185-1187	1.7	21
19	Improvement of stability of n-type super growth CNTs by hybridization with polymer for organic hybrid thermoelectrics. <i>Synthetic Metals</i> , 2017 , 225, 81-85	3.6	16
18	Hybrid-Type Organic Thermoelectric Materials Containing Nanoparticles as a Carrier Transport Promoter. <i>Journal of Electronic Materials</i> , 2017 , 46, 3207-3214	1.9	15
17	Polymer-Protected and Au-Containing Bi- and Trimetallic Nanoparticles as Novel Catalysts for Glucose Oxidation. <i>Macromolecular Symposia</i> , 2012 , 317-318, 149-159	0.8	15
16	Electrocatalysis for proton reduction by polypyridyl platinum complexes dispersed in a polymer membrane. <i>European Polymer Journal</i> , 2001 , 37, 753-761	5.2	15
15	Thermostability of Hybrid Thermoelectric Materials Consisting of Poly(Ni-ethenetetrathiolate), Polyimide and Carbon Nanotubes. <i>Materials</i> , 2017 , 10,	3.5	14
14	Further study of optical homogeneous effects in nanoparticle embedded liquid-crystal devices. <i>Journal of Molecular Liquids</i> , 2018 , 267, 303-307	6	11
13	Selective synthesis of 2,6-naphthalenedicarboxylic acid by use of cyclodextrin as catalyst. <i>Journal of Molecular Catalysis A</i> , 1999 , 139, 149-158		9
12	Improved Thermoelectric Behavior of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Using Poly(N-vinyl-2-pyrrolidone)-coated GeO ₂ Nanoparticles. <i>Chemistry Letters</i> , 2017 , 46, 933-936	1.7	8
11	Syntheses of poly(cyclodextrin)-stabilised metal nanoparticles and their quenching abilities of active oxygen species. <i>Supramolecular Chemistry</i> , 2011 , 23, 195-198	1.8	7
10	Kinetics of Spontaneous Bimetalization between Silver and Noble Metal Nanoparticles. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1892	4.5	6
9	Preparation of Ga-ZnO Nanoparticles Using Microwave and Ultrasonic Irradiation, and the Application of Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) Hybrid Thermoelectric Films. <i>ChemistrySelect</i> , 2019 , 4, 6800-6804	1.8	5

8	Improvement of the Performance of Liquid Crystal Displays by Doping with Supramolecule-Protected Metal Nanoparticles. <i>Israel Journal of Chemistry</i> , 2012 , 52, 908-916	3-4	5
7	Enhancement of p-type thermoelectric power factor by low-temperature calcination in carbon nanotube thermoelectric films containing cyclodextrin polymer and Pd. <i>Applied Physics Letters</i> , 2021 , 118, 243904	3-4	5
6	Zirconia nanocolloids having a nanospace of poly(cyclodextrin): preparation and application to liquid crystal devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2217-24	1-3	4
5	Construction and electro-optic properties of liquid-crystal display doped by rhodium nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 396-402	1-3	4
4	Enhancement of the electrical conductivity of defective carbon nanotube sheets for organic hybrid thermoelectrics by deposition of Pd nanoparticles. <i>Materials Advances</i> , 2020 , 1, 2926-2936	3-3	4
3	Green Route for Fabrication of Water-Treatable Thermoelectric Generators. <i>Energy Material Advances</i> , 2022 , 2022, 1-12	1	2
2	Combination of nanoparticles and carbon nanotubes for organic hybrid thermoelectrics. <i>Pure and Applied Chemistry</i> , 2020 , 92, 967-976	2-1	1
1	Cu-ion-induced n- to p-type switching in organic thermoelectric polyazacycloalkane/carbon nanotubes. <i>Materials Advances</i> , 2022 , 3, 373-380	3-3	0